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(21) International Application Number: PCT/US91/09176 (22) International Filing Date: 17 December 1991 (17.12.91) (30) Priority data: 628 858 17 December 1990 (17.12.90) US (71) Applicant: THE JOHNS HOPKINS UNIVERSITY [US/ US]; Charles & 34th Streets, Baltimore, MD 21218 (US). (72) Inventors: DINTZIS, Howard, M. ; DINTZIS, Renee, Z. ; 4413 Norwood Road, Baltimore, MD 21218 (US). BLODGETT, James, K. ; 10603 West 103 Avenue, Broomfield, CO 80021 (US). CHERONIS, John, C. ; 1950 S. Robb Way, Lakewood, CO 80277 (US). KIRSCHENHEUTER, Gary ; 12679 West 84th Drive, Arvada, CO 80005 (US).		(74) Agents: KOKULIS, Paul, N. et al.; Cushman, Darby & Cushman, Eleventh Floor, 1615 L Street, N.W., Wash- ington, DC 20036 (US). (81) Designated States: AT (European patent), AU, BE (Euro- pean patent), CA, CH (European patent), DE (Euro- pean patent), DK (European patent), ES (European pa- tent), FR (European patent), GB (European patent), GR (European patent), IT (European patent), JP, KR, LU (European patent), MC (European patent), NL (Euro- pean patent), SE (European patent). Published <i>With international search report.</i>
(54) Title: SUPPRESSION OF IMMUNE RESPONSES WITH OLIGOMERIC FORMS OF ANTIGEN OF CON- TROLLED CHEMISTRY (57) Abstract The present invention relates to a method of specifically suppressing an undesired immune response in a mammal suffer- ing from such a response. The method comprises: i) preparing a construct comprising at least one discrete antigenically recogniz- able moiety corresponding to an antigenic determinant of an antigen causing the undesired immune response bound to a phar- macologically acceptable carrier wherein the number of the moieties bound to the carrier and the spacing of the moieties on the carrier are such that the construct does not elicit an immune response to the moieties but does directly compete with the antigen for receptors on an immunocompetent cell that recognizes the determinant, and thereby the construct specifically suppresses the undesired immune response; and ii) administering the construct to the mammal in an amount such that suppression of the unde- sired immune response is effected. The invention further relates to constructs suitable for use in the above method and to methods of making same.		